

Confidentiality Requested:

☐ Yes ☐ No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

1273407

Form ACO-1

August 2013

Form must be Typed  
Form must be Signed  
All blanks must be Filled

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- ☐ New Well ☐ Re-Entry ☐ Workover
- ☐ Oil ☐ WSW ☐ SWD ☐ SIOW
- ☐ Gas ☐ D&A ☐ ENHR ☐ SIGW
- ☐ OG ☐ GSW ☐ Temp. Abd.
- ☐ CM (Coal Bed Methane)
- ☐ Cathodic ☐ Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- ☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD
- ☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer
- ☐ Commingled Permit #: \_\_\_\_\_
- ☐ Dual Completion Permit #: \_\_\_\_\_
- ☐ SWD Permit #: \_\_\_\_\_
- ☐ ENHR Permit #: \_\_\_\_\_
- ☐ GSW Permit #: \_\_\_\_\_

Spud Date or  
Recompletion Date

Date Reached TD

Completion Date or  
Recompletion Date

API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_ ☐ East ☐ West

\_\_\_\_\_ Feet from ☐ North / ☐ South Line of Section

\_\_\_\_\_ Feet from ☐ East / ☐ West Line of Section

Footages Calculated from Nearest Outside Section Corner:

☐ NE ☐ NW ☐ SE ☐ SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used? ☐ Yes ☐ No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_ ☐ East ☐ West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**AFFIDAVIT**

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

**KCC Office Use ONLY**

☐ Confidentiality Requested

Date: \_\_\_\_\_

☐ Confidential Release Date: \_\_\_\_\_

☐ Wireline Log Received

☐ Geologist Report Received

☐ UIC Distribution

ALT ☐ I ☐ II ☐ III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1273407

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_ ☐ East ☐ West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken (Attach Additional Sheets)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
____ Perforate				
____ Protect Casing				
____ Plug Back TD				
____ Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☐ No (If No, skip questions 2 and 3)

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No (If No, skip question 3)

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No (If No, fill out Page Three of the ACO-1)

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)		Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR.		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Geologist's Report

Company: LD Drilling, Inc  
Lease: Ernsting #2-1  
Field: Chase-Silica  
Surface Location: N2-S2-SE (990' FSL & 1320' FEL)  
Sec: 1 Twp: 20S Rge: 12W  
County: Barton State: Kansas  
GL: 1787' KB: 1793'  
  
Contractor: Royal Drilling Rig #1  
Spud: 10/15/15 Comp: 124/15  
RTD: 3359' LTD: NA  
Mud Up: +/- 2500' Mud Type: Chemical Displaced

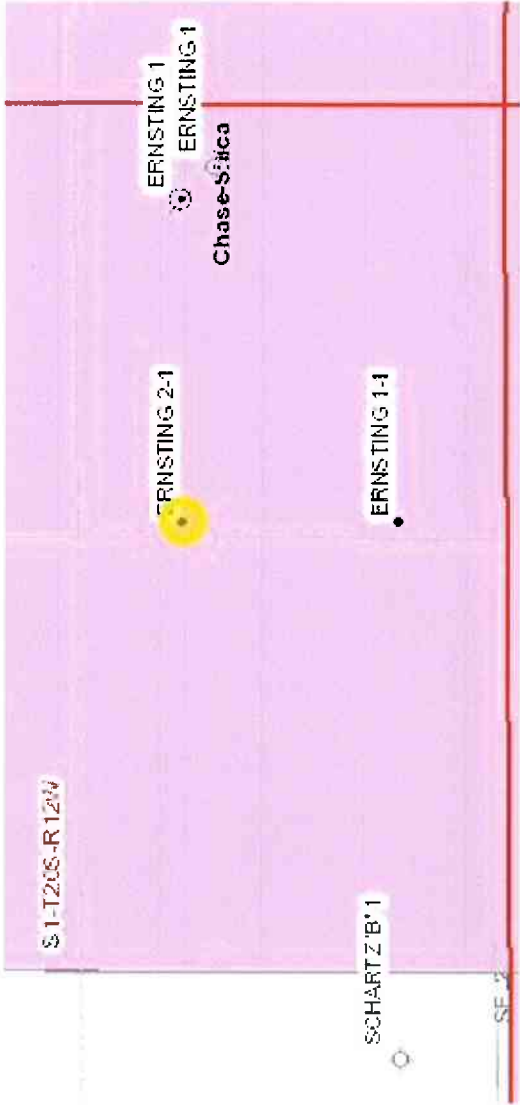
Drilling Time Kept From: 2700' to RTD  
Samples Saved From: 2700' to RTD  
Samples Examined: 2700' to RTD  
Geoloigcal Supervision: 2950' to RTD  
Geologist on Well: Kurt Talbott

Surface Casing: 8 5/8"@ 360'  
Production Casing: NA

Wireline Logs: NA

Well Comparison									
FORMATION	LD DRILLING ERSTING #2-1 1793 KB		LD DRILLING ERSTING #1-1 1792 KB		ISERN PETROLEUM #1 ERSTING 1789 KB				
	SAMPLE	SAMPLE SS	LOG	LOG SS	SAMPLE	SS			
ANHYDRITE			558	1234	566	1223			
BASE ANHYDRITE			577	1215	580	1209			
HEEBNER	2957	-1164	2957	-1165	2949	-1160			
TORONTO	2976	-1183	2972	-1180					
DOUGLAS	2987	-1194	2986	-1194					
BROWN LIME	3082	-1289	3080	-1288	3071	-1282			
LANSING	3100	-1307	3100	-1308	3088	-1299			
ARBUCKLE	NA	NA	3339	-1547	3341	-1552			
TOTAL DEPTH	3359	-1556	3463	-1671	3359	-1570			

Spot Location



ROCK TYPES			
	Chitcongl Lmst fw<7		shale, gm shale, gry
	Carbon Sh		shale, red
	Siltst		

OTHER SYMBOLS

EVENTS		INTERVALS		DST	
	Left Casing Shoe		Core		DST Int
	RTF		DST		DST alt
	Sidewall				
	Left Casing Shoe				
	Right Casing Shoe				















**BASIC<sup>SM</sup>**  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61  
P.O. Box 8613  
Pratt, Kansas 67124  
Phone 620-672-1201

# FIELD SERVICE TICKET

1718 12878 A

1-205-12W

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB <b>10-20-15</b> DISTRICT <b>Pratt, Kansas</b>		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:	
CUSTOMER <b>L. D. Drilling, Inc.</b>		LEASE <b>Ernsting</b> WELL NO. <b>2-1</b>	
ADDRESS		COUNTY <b>Barton</b>	STATE <b>Kansas</b>
CITY STATE		SERVICE CREW <b>C. Messick: S. Ernst: M. Mattal</b>	
AUTHORIZED BY		JOB TYPE: <b>C.N.W. - Plug To Abandon</b>	
EQUIPMENT#	HRS	EQUIPMENT#	HRS
<b>27,463</b>	<b>3</b>		
<b>73,768</b>	<b>3</b>		
TRUCK CALLED <b>10-20-15</b> <b>AM</b> <b>7:30</b>		DATE <b>10-20-15</b> <b>PM</b> <b>7:30</b>	
ARRIVED AT JOB <b>AM</b> <b>9:30</b>		TIME <b>AM</b> <b>9:30</b>	
START OPERATION <b>AM</b> <b>12:00</b>		TIME <b>AM</b> <b>12:00</b>	
FINISH OPERATION <b>AM</b> <b>3:00</b>		TIME <b>AM</b> <b>3:00</b>	
RELEASED <b>10-20-15</b> <b>AM</b> <b>3:30</b>		TIME <b>AM</b> <b>3:30</b>	
MILES FROM STATION TO WELL <b>50</b>			

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: Wong Buey  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 103	60/40 Poz	sk	245	\$	2,940.00
CC 102	Celloflak	Lb	62	\$	229.40
CC 200	Cement Gel	Lb	422	\$	105.50
					250.00
CC 131	Sugar	Lb	50	\$	160.00
CF 153	Wooden Cement Plug, 8 5/8"	Ea.	1	\$	160.00
E 100	Pickup Mileage	mi	50	\$	225.00
E 101	Heavy Equipment Mileage	mi	100	\$	750.00
E 113	Bulk Delivery	Tm	528	\$	1,318.75
CE 204	Depth Charge: 3,000 Feet To 4,000 Feet	4 Hr	1	\$	2,160.00
CE 240	Blending and Mixing Service	sk	245	\$	343.00
S 003	Service Supervisor	Ea	1	\$	175.00

SUB TOTAL  
\$ 8,656.65

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT %TAX ON \$  
MATERIALS %TAX ON \$

TOTAL  
\$ 95  
\$ 3,823.49

SERVICE REPRESENTATIVE <u>Donna R. M. Smith</u>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY:
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(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.



Customer L.D. Drilling, Inc.		Lease No.		Date 10-20-15	
Lease Ernsting		Well # 2-1			
Field Order # 12878	Station Pratt, Kansas	Casing 1 1/2" Drill Pipe	Depth 3,300 Feet	County Barton	State Kansas
Type Job C.N.W. - Plug To Abandon			Formation	Legal Description 1-205-12W	

PIPE DATA		PERFORATING DATA		CEMENT USED		TREATMENT RESUME		
Casing Size	1 1/2" Drill Pipe	Shots/Ft		240 sacks		RATE	PRESS	ISIP
Depth	Depth	From	To	60/40 Poz with	Max			5 Min.
Volume	Volume	From	To	48 Total Gel,	Min			10 Min.
Max Press	Max Press	From	To	25 Lb./St. Cellflite	Avg			15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used			Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush	Gas Volume			Total Load

Customer Representative Doug Buttig		Station Manager Kevin Gordley		Treater Clarence R. Messich	
Service Units	37,216	27,463	70,959	73,768	
Driver Names	Messich	Ernst	Mattal	73,768	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
9:30					Trucks on location and hold safety meeting.
					1st Plug 3,300 Feet - 50 sacks
11:53		400		5	Start Fresh water Pre-Flush.
		1	20	5	Start Mixing 50 sacks cement.
			32	5	Start Fresh water Displacement.
		400	42	5	Start Drilling mud Displacement.
12:06		-0-	72		Stop pumping.
					2nd Plug 570 Feet - 50 sacks cement.
1:22		250		5	Start Mixing 50 sacks cement.
		250	12	5	Start Fresh water Displacement.
1:25		0	14	5	Stop pumping.
					3rd Plug 400 Feet 90 sacks cement.
1:52		200		5	Start Mixing cement.
		200	23	5	Start Fresh water Displacement.
2:00		0	25		Stop pumping.
					4th Plug 60 Ft. 10 sacks and wooden Plug.
					Start Push Wooden Plug down with Drill Pipe.
		-0-		3	Start mixing cement.
2:30			3		Cement circulated to surface.
		-0-	7.5	3	Plug Rat and Mouse Holes.
					Wash up pump truck.
3:00					Job Complete.



1718 12907 A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB <u>10-16-15</u> DISTRICT <u>PRAIRIES</u>				NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> ORDER NO.:			
CUSTOMER <u>L.D. Drilly</u>				LEASE <u>ERNSTING</u> <u>2-1</u> WELL NO.			
ADDRESS				COUNTY <u>BARTON</u> STATE <u>Ks</u>			
CITY STATE				SERVICE CREW <u>Sullivan, Ernst, Metel</u>			
AUTHORIZED BY				JOB TYPE: <u>CW 8 1/2</u>			
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED <u>10-16-15</u>	DATE <u>10-16-15</u> AM <u>3:20</u> PM
<u>30920</u>	<u>45</u> <u>m</u>					ARRIVED AT JOB	AM <u>5:30</u> PM
<u>19918</u>	<u>30</u> <u>m</u>					START OPERATION	AM <u>6:35</u> PM
						FINISH OPERATION	AM <u>7:15</u> PM
						RELEASED	AM <u>7:45</u> PM
						MILES FROM STATION TO WELL	<u>50</u>

**CONTRACT CONDITIONS:** (This contract must be signed before the job is commenced or merchandise is delivered).

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SIGNED: \_\_\_\_\_  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

[illegible]

SUB TOTAL	13,877.00	
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CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$		
MATERIALS	%TAX ON \$		

Discard	TOTAL			
stroke		6,244	65	
22				

SERVICE REPRESENTATIVE <i>Robert Allen</i>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <i>James Bruce</i>
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FIELD SERVICE ORDER NO.

Customer <i>L.D. Dally</i>	Lease No.	Date
Lease <i>CRASSTW</i>	Well # <i>2-1</i>	<i>10-16-15</i>
Field Order # <i>12907</i>	Station <i>Pratt 14</i>	Casing <i>8 5/8</i>
Type Job <i>CNW 8 5/8</i>	Depth <i>359</i>	County <i>BARTON</i>
Formation		State <i>KS</i>
Legal Description <i>1-20-12</i>		

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size <i>8 5/8</i>	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth <i>359</i>	Depth	From	To	Pre Pad	Max		5 Min.
Volume <i>21</i>	Volume	From	To	Pad	Min		10 Min.
Max Press <i>300</i>	Max Press	From	To	Frac	Avg		15 Min.
Well Connection <i>PC</i>	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth <i>359</i>	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative	Station Manager <i>DAVE SCOTT</i>	Treater <i>Bob L...</i>
Service Units <i>37900 33700 20920</i>	<i>RT26 19918</i>	
Driver Names <i>Sullivan CRNST</i>	<i>metal</i>	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>5:30</i>					<i>on loc</i>
					<i>RAW 8 5/8 CSE</i>
					<i>CASDW ON BOTTOM</i>
					<i>Hook Rig com</i>
<i>6:25</i>			<i>3</i>	<i>3</i>	<i>1st Spacon</i>
			<i>88</i>	<i>5</i>	<i>mix 200 SK A-CON cnt</i>
			<i>42</i>		<i>mix 200 SK comm</i>
					<i>cnt mix 200 SK shut down</i>
					<i>Return Phy</i>
				<i>4.5</i>	<i>A Disp</i>
<i>7:15</i>			<i>21</i>		<i>plug down</i>
					<i>chrc 20 BBL cnt P-4</i>
					<i>50B Compto</i>
					<i>Thru</i>